



Main.java

```
1- import java.util.Scanner;
2- public class main
3- {
4-     public static void main(String[] args)
5-     {
6-         String str;
7-         char ch;
8-         Scanner input=new Scanner(System.in);
9-         int n=input.nextInt();
10-        int fact=1;
11-        for(int i=1;i<=n;i++)
12-        {
13-            fact=fact*i;
14-        }
15-        System.out.print(fact);
16-    }
17- }
```

Run

Output

Clear

```
java -cp ./tmp/hh/c!NtjRo main
4
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```



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Main.java

🔍 ⚙️ Run

Output

Clear

```
1- import java.util.Scanner;
2- public class Factorial
3- {
4-     public static void main(String[] args)
5-     {
6-         Scanner scanner = new Scanner(System.in);
7-         System.out.print("Enter a number: ");
8-         int number = scanner.nextInt();
9-         long factorial = recursiveFactorial(number);
10-        System.out.println("Factorial of " + number + " is: " + factorial);
11-    }
12-    private static long recursiveFactorial(int number)
13-    {
14-        if (number == 0 || number == 1) {
15-            return 1;
16-        }
17-        return number * recursiveFactorial(number - 1);
18-    }
19- }
```

```
java -cp /tmp/tzqakgbwKX Factorial
Enter a number: 6
Factorial of 6 is: 720
```

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Main.java

🔍 ⚙️ **Run**

1- import java.util.Scanner;  
2- public class main  
3- {  
4-     public static void main(String[] args)  
5-     {  
6-         String str;  
7-         char ch;  
8-         Scanner input=new Scanner(System.in);  
9-         int n=input.nextInt();  
10-         int a1=0,a2=1;  
11-         for(int i=0;i<n;i++)  
12-         {  
13-             System.out.print(a1+" ");  
14-             int a3=a1+a2;  
15-             a1=a2;  
16-             a2=a3;  
17-         }  
18-     }  
19- }

Output

Clear

java -cp /tmp/95JkzSEdth main  
10  
0 1 1 2 3 5 8 13 21 34

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Viksit Bharat

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Main.java

Run

```
1 public class HollowSquarePattern
2 {
3     public static void main(String[] args)
4     {
5         int size = 5;
6         for (int row = 1; row <= size; row++)
7         {
8             for (int col = 1; col <= size; col++)
9             {
10                 if (row == 1 || row == size || col == 1 || col == size)
11                 {
12                     System.out.print("*");
13                 }
14                 else
15                 {
16                     System.out.print(" ");
17                 }
18             }
19             System.out.println();
20         }
21     }
22 }
```

Output

Clear

```
java -cp ./tmp/ZYwacwPu7g HollowSquarePattern
*****
* *
* *
* *
*****
```



Clear

```
java -cp ./tmp/ART08TfmXy GcdOfArrayNumbers
Enter the number of elements: 2
Enter 2 numbers:
20
15
GCD: 5
```

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Main.java

Run

Output

Clear

```
1- import java.util.Scanner;
2- public class MultiplicationTable
3- {
4-     public static void main(String[] args)
5-     {
6-         Scanner in = new Scanner(System.in);
7-         System.out.print("Enter the value of m: ");
8-         int m = in.nextInt();
9-         System.out.print("Enter the value of n: ");
10-        int n = in.nextInt();
11-        for (int i = 1; i <= n; i++)
12-        {
13-            System.out.printf("%d * %d = %d\n", m, i, m * i);
14-        }
15-    }
16- }
17
```

```
java -cp /tmp/9ipBRjNl9o MultiplicationTable
Enter the value of m: 5
Enter the value of n: 5
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
```

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Main.java

Run

Output

Clear

```
1 import java.util.Scanner;
2 public class main
3 {
4     public static void main(String[] args)
5     {
6         String str;
7         char ch;
8         Scanner input=new Scanner(System.in);
9         String name=input.nextLine();
10        String empty="";
11        int len=name.length();
12        for(int i=len-1;i>=0;i--)
13        {
14            empty=empty+name.charAt(i);
15        }
16        System.out.print(empty);
17    }
18 }
```

```
java -cp /tmp/dfsce1z18t main
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```